

Abstract

2 Disclosed is a novel method and apparatus for acquiring multiple
capacitively sensed measurements from a circuit under test. Multiple digital
4 sources are respectively connected to stimulate multiple respective first ends
of multiple respective nets of interest. Respective second ends of the
6 multiple respective nets of interest are capacitively sensed. The respective
capacitively coupled signals are digitally sampled and shift correlated with
8 respective expected digital signatures. If a high level of correlation is found
for a given net, the net is electrically intact; otherwise, the net is
10 characterized by either an open or some other fault that prevents it from
meeting specification.